

Office of Naval Research Global Recruiting Brief

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<http://www.onr.navy.mil/Science-Technology/ONR-Global.aspx>



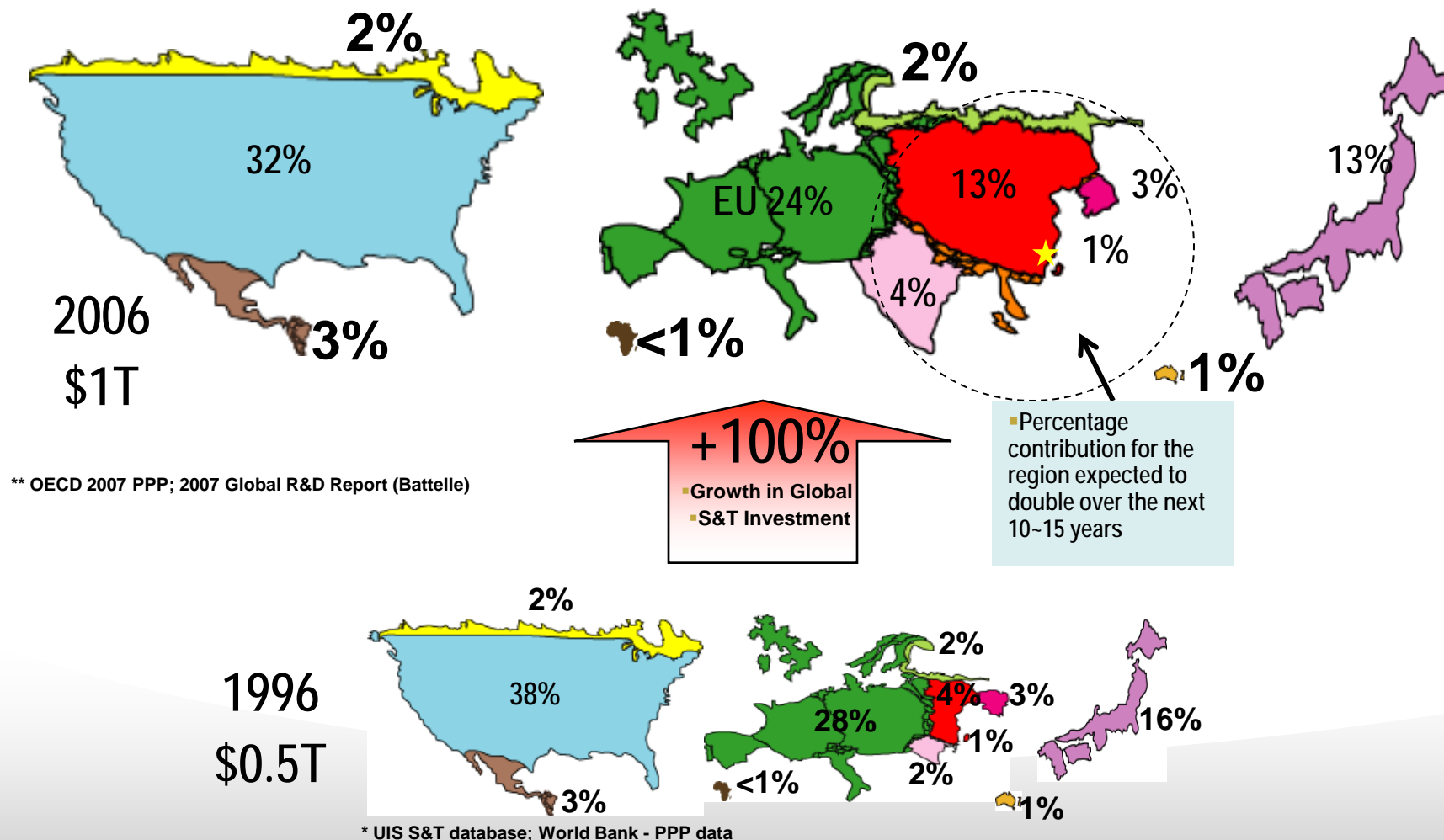
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World S&T Investment Dynamics

100% Global S&T Investment Growth in a Decade



SAs and ADs are Part of ONR Global

Science Advisor (SA) Program

- CNR's Ambassadors to the Fleet Forces
- Communicates Fleet/Forces capability needs to the US Naval Research Enterprise (NRE)
- Provides NRE solutions to Fleet/Forces problems
- Typically engineers from the NRE

Associate Director (AD) International Science Program

- Engage leading edge international scientists & innovators
- Increases the Naval awareness of global technology
- Live and work out of offices around the world
- Typically scientists with PhD's, from Academia, Government or Industry



What Does a Science Advisor (SA) Do?

Provides two way communication between the Fleet Forces, ONR, and the NRE:

- Ensures Fleet Force capability needs are brought back to the NRE
- Champions NRE solutions to Fleet Force problems

Provides Naval Commanders with a direct Senior Staff link to NRE support S&T:

- Gathers and socializes requirements definition
- Defines resource allocation, prioritizes Command S&T needs
- Conducts and Coordinates Naval experimentation
- Develops prototype solutions and works out transition path options

Tours are 1-3 year developmental assignments for future NRE civilian leaders:

- Opportunity to work directly with the operational forces
- Gain hands on experience through exercises, demonstrations at-sea & in the field
- Develop an appreciation why and how decisions are made at the Command level



What Does an Associate Director (AD) Do?

- Act as an international S&T scout for ONR and the NRE
- Assess International S&T innovations in areas of naval interest
- Serve as an international node for ONR and the NRE
- Provide global technical assessment in specific geographical areas and S&T areas
- Determine trends in international S&T
- Tour are of 2-4 years of duration

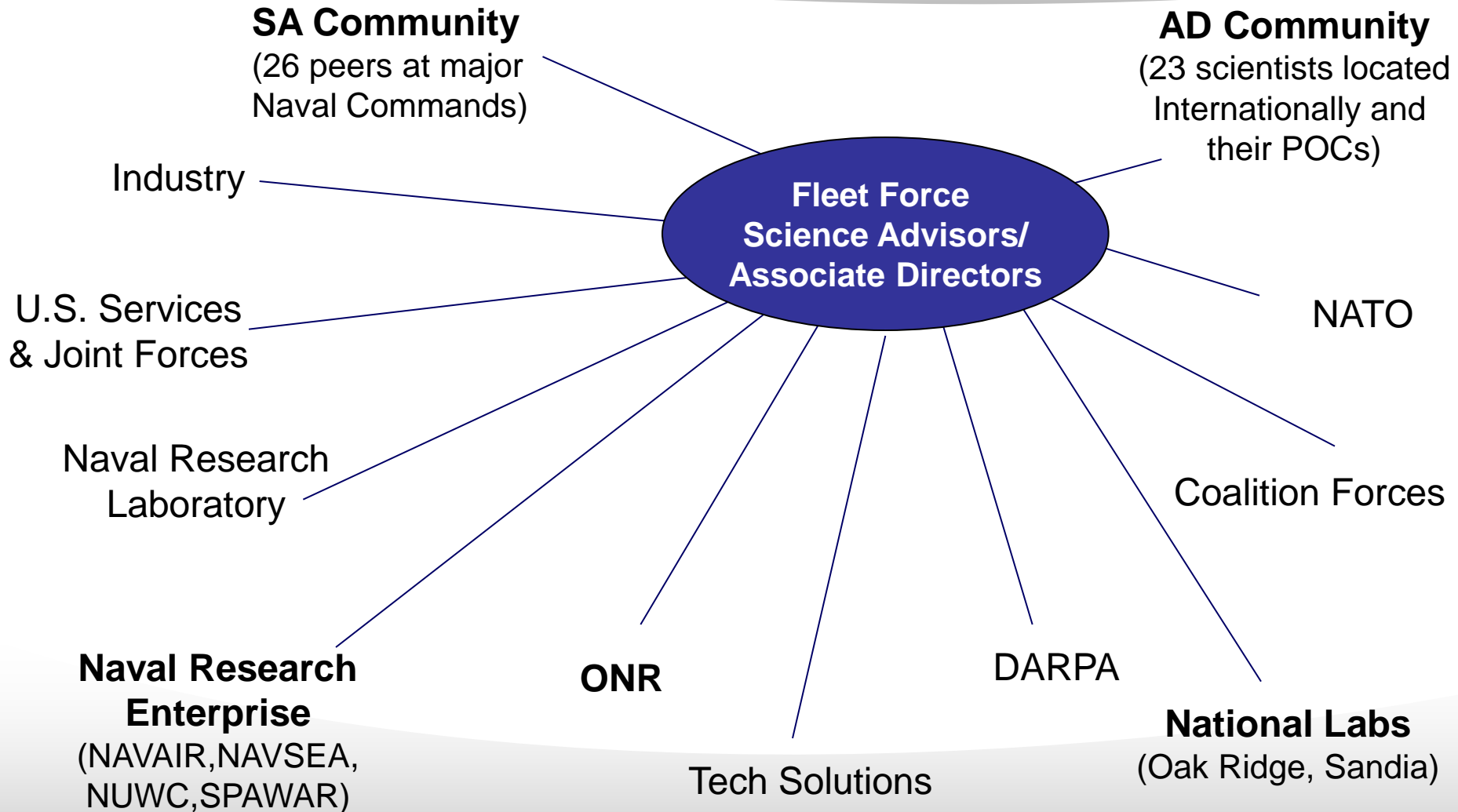


SA/AD Long-Term Value

- Three fold return on the SA/AD Investment:
 - Serving Naval Commands and International Collaboration
 - Reachback to ONR, NRL, NRE
 - Individual SA/AD develop a “hands on” appreciation for Fleet Force operations and International Science they leverage for the remainder of their 20+ year careers – Priceless



SA/AD Reachback



International S&T Engagement

NORTHCOM

Canada
Mexico

SOUTHCOM

Argentina
Bahamas
Brazil
Chile
Colombia
Panama
Peru
Uruguay

EUCOM

Armenia
Austria
Azerbaijan
Belgium
Bulgaria
Croatia

Czech Republic
Denmark
Estonia
Finland
France
Georgia

Germany
Greece
Hungary
Iceland
Ireland
Israel

Italy
Latvia
Lithuania
Moldova
Monaco
Netherlands

Norway
Poland
Portugal
Romania
Russia
Serbia &
Montenegro

Slovenia
Spain
Sweden
Switzerland
Turkey
United Kingdom
Ukraine

CENTCOM:

Egypt
Iraq
Kyrgyzstan
Pakistan

AFRICOM

Cameroon
Cape Verde Islands
Ghana
Nigeria
South Africa
Tunisia

PACOM

Australia
China
Hong Kong
India
Indonesia
Japan
Malaysia
Mongolia
New Zealand
Philippines
Singapore
South Korea
Taiwan
Thailand
Vietnam

ONR Global Presence

ONRG-DC

ONR Global Liaison Office

CNO Executive Panel

★★★★

CNO(N2/N6) ★★★★★

FLTCYBERCOM/

COMTENTHFLT ★★★★★

CNO(N81) ★★

San Diego

COMTHIRDFLT ★★★★★

COMNAVSURFFOR ★★★★★

CG I MEF ★★★★★

NMAWC ★★

Honolulu

USPACOM ★★★★★

COMPACFLT ★★★★★

COMMARFORPAC ★★★★★

COMSUBPAC ★★

Mechanicsburg

NAVSUP ★★

Newport

CNO SSG ★★★★★

Norfolk

COMUSFLTFORCOM ★★★★★

COMNAVAIRFOR ★★★★★

COMSUBFOR ★★★★★

COMMARFOR ★★★★★

COMSECFLT ★★★★★

COMNECC ★★

NWDC ★★

Camp LeJeune

CG II MEF ★★★★★

ONRG-London- ADs

Technical Director

Executive Officer

ONRG-Prague- ADs

Naples

COMUSNAVEUR ★★★★★

COMUSNAVAF

COMSIXTHFLT

Bahrain

COMNAVCENT ★★★★★

COMFIFTHFLT

ONRG-Tokyo- ADs

Yokosuka

C7F ★★★★★

Okinawa

III MEF ★★★★★

ONRG-Singapore- ADs

Commanding Officer

ONRG-Santiago - ADs

★ Joint Command

★ Naval Command

SA Science Advisor

AD Associate Director



Why Become A Science Advisor?

- Chance to directly serve and impact the Naval Fleet Forces
- Once in a lifetime training and travel opportunities
- Most SAs consider Fleet Force tours the highlight of their career
- Get to see and be part of senior level decision making
- Best way to develop a Fleet Force Awareness
- Chance to take personal and professional growth to the next level!
- Establish SA/AD peer collaboration/network opportunities and friendships that will last a lifetime



Difference between “watching the news” & making it happen

Science Advisor Success Stories

- John Burdette (SUBPAC) – championed the Submarine Over-The-Horizon Organic Capability (SOTHOC aka UAS) project. The complete concept was demonstrated and is currently in work to become a program of record
- Jim Fowler (NECC) – Riverine & Intercoastal Operations (RIO) JCTD integrates surface, subsurface, shoreline, and littoral sensors and distribution of the sensor data into surveillance and communications networks to provide the Joint & Coalition Warfighter a persistent riverine presence
- Mike Harper (NAVCENT C5F) – Deployed Imaging Through Walls – Third Eye, a through-wall imaging system to view concealed objects within hidden spaces for the counter smuggling campaign.
- Eric Evans (I MEF) – Deployed to Afghanistan theater for roughly one month to obtain first hand experience on how S&T was being implemented with the Marines
- Mike Edwards (II MEF) – Improved the ability to provide organic ISR asset feeds, such as the LITENING pod, into the Landing Force Operations Center (LFOC)



Why Become An Associate Director?

- Visit international S&T institutions to develop access and find cutting edge science and technology
- Help shape US Navy's international engagement strategy
- Gain diverse perspectives on S&T
- Learn international trends in S&T research
- Develop an understanding of specific international areas
- Establish insight into research agendas of ONR, NRL, and other NRE
- Learn new cultures
- Enjoy the benefits of living overseas



Associate Director Success Stories

- Pitch-Adapting Propeller - Tip of composite propeller blade redesigned to deform as it rotates through non-uniform flow, resulting in improved efficiency, lower maintenance and life-cycle cost savings – partnered with German scientists.
- Swimmer Detection - Multi-node swimmer detection sonar network. Multiple nodes reduce interference from scattering and reduces false targets – partner with Singapore.
- Enhanced Lightweight AUV - developed under a NICOP in cooperation with ONR Tech Solutions. NICOP used to synthesize hydrographic expertise into a one-man portable mapping package for expeditionary surveys.
- Low Cost Titanium –NICOP led DARPA to work with UK and US industry to reduce Ti production costs and investigate previously unattainable Ti alloys. At least three companies are launching new products based on the low-cost technologies.



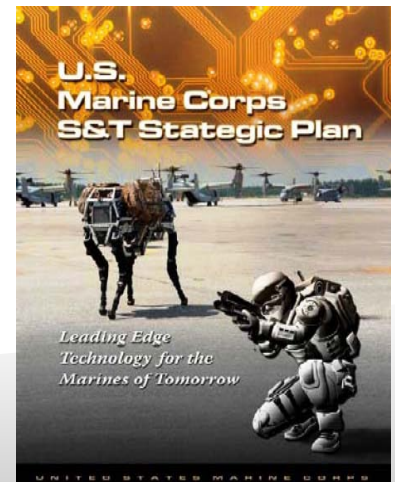
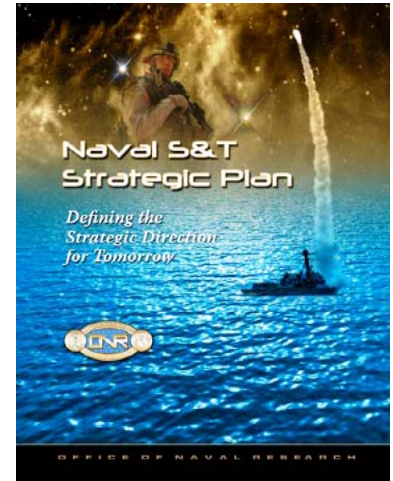
ONRG Alumni, Where Are They Now?

- Several have become SES, STs within a year of their tour
- Some Return to Challenging New Assignments Back at their Home Command/Institution
- Others Realize the SA/AD Experience Opens New Doors to Opportunities
- New Focus: End of Tour Package for return to Home Command
- In 2008-2010: SA's received 9 Meritorious & 3+1 Superior Civilian Service Awards
- In 2009-2010: AD's received 1 Meritorious Civilian Service Award
- Mr. Elmer Roman – “Estrella al Mérito Militar” Award from the Chilean Ministry of Defense



SA Obligations to ONR

- Provide Command S&T Requirements to ONR
- Regular Communication from Command to ONR
- Socialize with Command ONR S&T requirements & capabilities
- ONR on site representative during Fleet Tech exercises & Demos
- CNR's ambassador to the Command



AD Obligations to ONR

- Attend focus area reviews and other ONR-wide activities
- Search for innovative international research that fits within ONR research portfolios
- Attend department level off-sites and program reviews
- Provide meeting and trip reports to interested parties at ONR



Requirements to Become an SA

- **Apply through CHART System** (announcement occurs ~6 months prior to deployment)
- **Contact Existing Science Advisors**, talk to your lab/warfare center SA Program Manager
- Most are senior engineers & scientist with **over 10 years of practical experience** working on Fleet Force Systems (Aircraft, Ship, Submarines, Components) & Processes
- **Interaction and Briefing Experience** to Flag/General Officers and SES
- **Need an Endorsement Letter** from your "Home" Command
 - Approves you applying to become an ONR SA
 - Home command agrees to take you back at equal or greater pay, position at end of tour
- Must Have a **TS SCI Clearance** at the start of the assignment
- Must Be a **Self Starter, Highly Motivated, Agent of Change, Positive Attitude**
- **Strong Communication Skills**
 - Can maintain a sense of humor under high stress situations
 - Customize your resume to address SA unique key terms



Required/Desired AD Attributes

Required

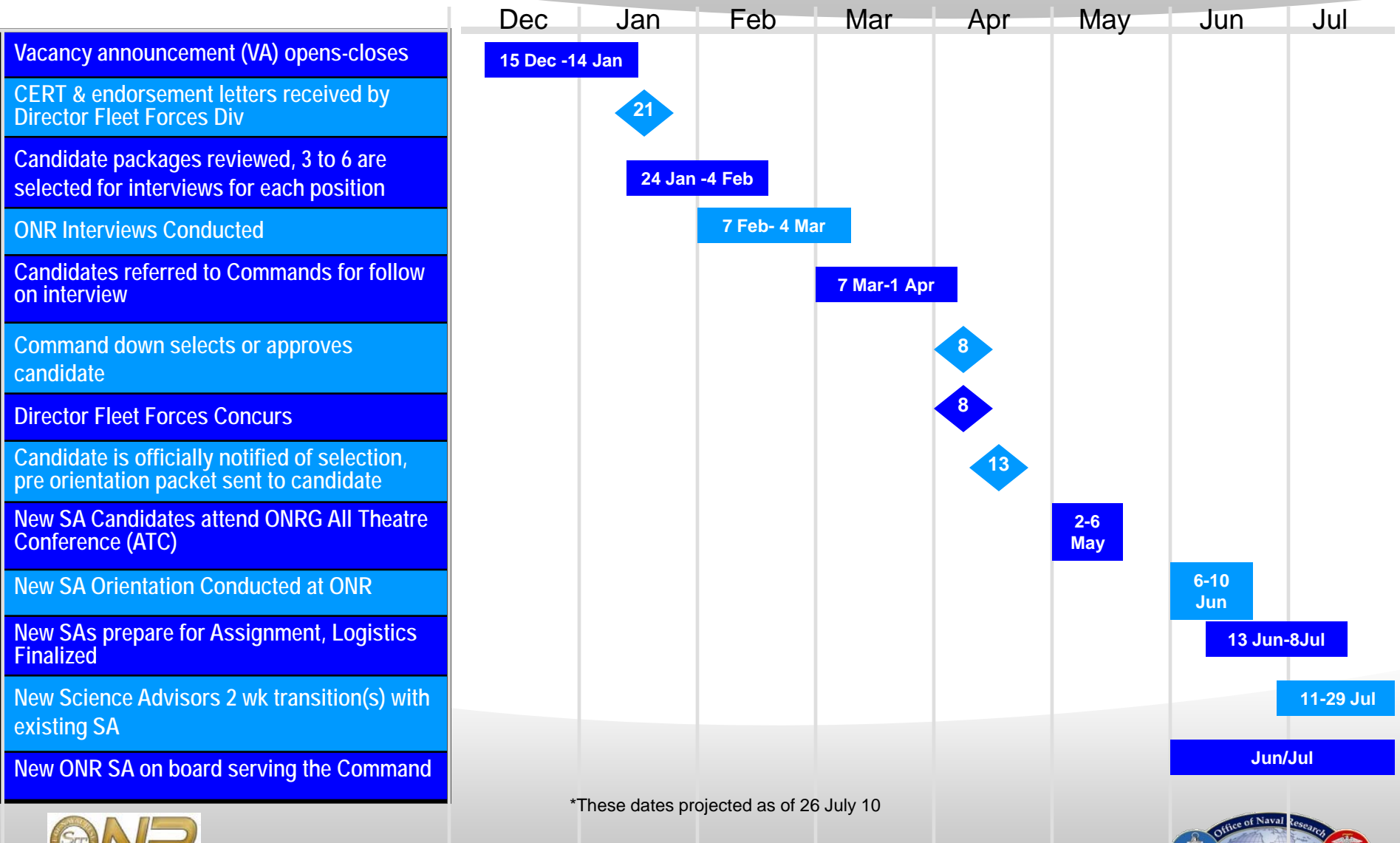
- Strong technical credentials
- Interest in technical broker role
- Ability to network/interface
- US citizenship
- Ability to live overseas
- Ability to travel extensively

Desired

- PhD in relevant field
- Experience with ONR/NRE
- Foreign language capability (required for some positions)
- International S&T experience

- Associate Director candidates should apply to ONR Global's HR Manager, Ms Pat Harris. Send resumes to patricia.harris.uk@onrg.navy.mil

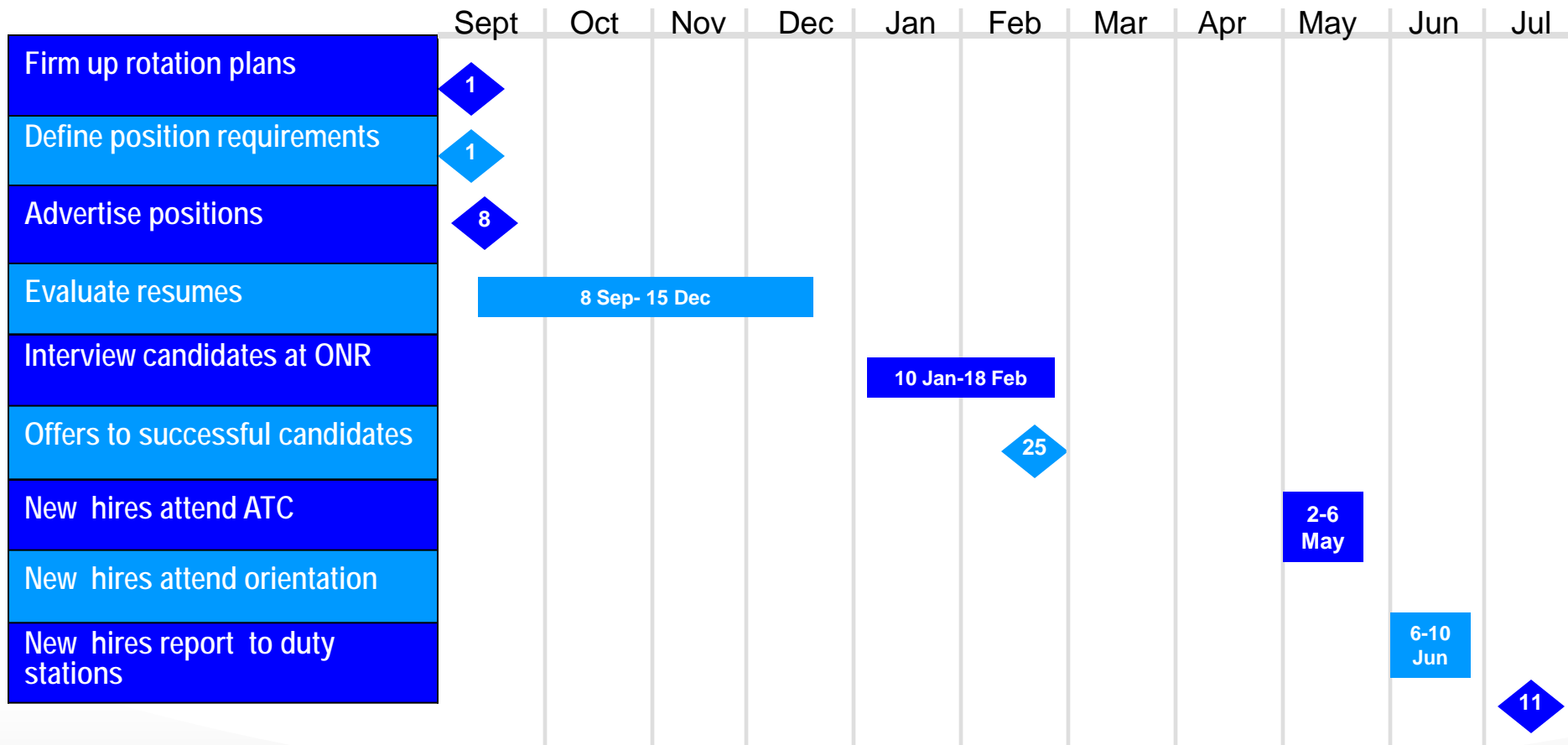
FY 11 ONR SA Selection Process



*These dates projected as of 26 July 10



FY 11 ONR AD Selection Process



*These dates projected as of 26 July 10

SA/ AD Training



One Week Orientation prior to your Assignment (June)

Coaching on Key Communication Tools

- Point paper design, bios, briefs, quad charts, Letter of Intent

Collaboration with SA and AD Communities

- All Theater Conference
- Fall Navy/Industry Tours
- Synergy among ONR, ONR Global Peers
- Build Friendships and Contacts that last a lifetime
- AD/SA Summits

Fleet Force & ILO Directors Sounding Board, Guidance

Peer Mentorship Program



Potential Vacancies in Summer 2011*

Science Advisor:

I MEF (San Diego, CA)
NECC (Norfolk, VA)
SUBFOR (Norfolk, VA)

CNE CNA C6F (Naples, Italy)
C7F (Yokosuka, Japan)



Associate Director:

Power & Energy (Tokyo)
Distributed Operations (Tokyo)
Warfighter Performance & Protection (Tokyo)
Materials, Affordability, Reliability & Maintainability (Tokyo)
Survivability & Self Defense (Tokyo)
FSU Global Technology Awareness (London)
Power Projection (Singapore)
Americas Global Technology Awareness (Santiago)



* Final Announcement List by 1 Nov 10. Vacancy Announcement posted 15 Dec 10 – 14 Jan 11 , new SA's/AD's in place July/Aug 2011



Potential Vacancies in Summer 2012*

Science Advisor:

NAVAIRFOR (Norfolk, VA)
NWDC (Norfolk, VA)

OPNAV N2/N6 (Arlington, VA)
CNO N81 (Arlington, VA)

SURFOR (San Diego, CA)
NMAWC (San Diego, CA)

FLTCYBERCOM/C10F (Ft. Meade, MD)

PACFLT (Pearl Harbor, HI)
SUBPAC (Pearl Harbor, HI)
MARFORPAC (Camp Smith, HI)

III MEF (Okinawa)
NAVCENT C5F (Bahrain)



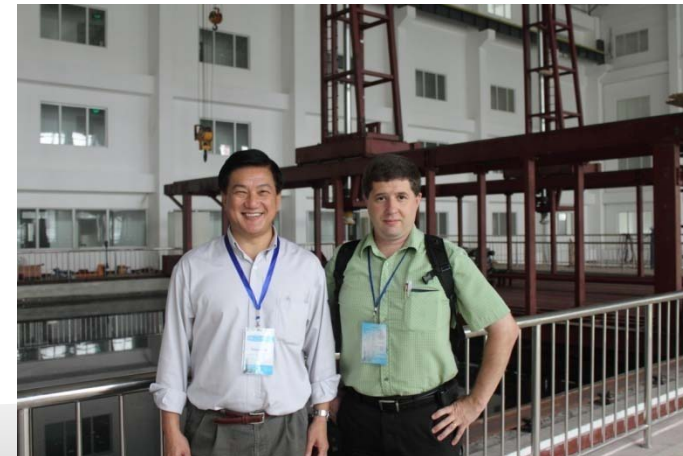
Associate Director:

China Global Technology Awareness (Tokyo)

Asymmetric & Irregular Warfare (London)

Central/Eastern Europe Global Technology Awareness (Prague)

Central/Eastern Europe Global Technology Awareness (Prague)



* Final Announcement List by 1 Nov 11. New SA's/AD's in place July/Aug 2012



Recruiting Brief Schedule

as of 23 August

Date	Command	Local POC
Thu, 14 Oct	Carderock	Garth Jensen
Tue, 19 Oct	NUWC	Chris Julius
Thu, 21 Oct	Patuxent River NAS	Becky Ahne
Mon, 25 Oct	Dahlgren	Cheryl Reckeweg
Tue, 26 Oct	Dam Neck	Roberta Marable
Thu, 28 Oct	Philadelphia	Garth Jensen
Fri, 29 Oct	Penn State, ARL	Patricia Gruber
Mon, 15 Nov	Point Mugu, China Lake (VTC)	Peter Chmelir/ Larry Merwin
Tue, 16 Nov	SSC San Diego	John Myles
Thu, 18 Nov	SSC Hawaii	John Myles
Thu, 2 Dec	JHU/APL	Dennis
Mon, 6 Dec	Orlando/NAVAIR	Robert Seltzer
Tue, 7 Dec	Panama City, FL	Jody Wood-Putnam
Wed, 8 Dec	Crane (VTC)	David Acton
Thu, 9 Dec	SSC Charleston	Al Emondi
Mon, 13 Dec	NAVSEA Navy Yard	Jim Fowler
Fri, 10 Dec	ONR/NRL	Andrew Kostic



Back up Slides



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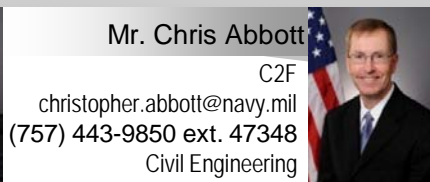
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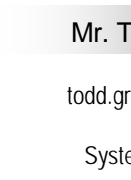
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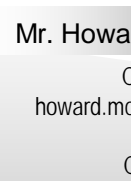
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2010-2011

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